APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200860020-0

Change in the Intensity of Nuclear Quadrupole Resonance in a Molecular Crystal Exposed to Fast Electrons, by A. I. Kitaigorodskiy, E. I. Fedin, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXX, No 5, 1960, pp 1005-1007.

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Tasks of Structural Investigations in the field of High Polymeric and High Molecular Substances, by A. I. Kitaigorodskiy.

RUSSIAN, bk, Institut Biologicheskoi Fiziki, Fiz-Khim i Strukturnye Osnovy Biologicheskikh Yavlenii, Moscow, 1960, pp 12-17. 9094c23

USDA Tr A-1301

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Structure of Solid Solutions and Phase Diagram of the System p-Dibromobenzene -- p-Diiodobenzene, by A. I. Kitaigorodskiy, Liang Tung-ch'ai, 9 pp.

RUSSIAN, per, Kristallografiya, Vol V, 1960, No 2, pp 238-246.

AIP
Sov Phys - Crystall
vol V, No 2

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A Study of the Distribution of Molecules of Impurities in Solid Solutions of Organic Substances, by A. I. Kitaigorodskiy, R. M. Myasnikova, 6 pp

RUSSIAN, per, Kristallografiya, Vol V, No 2, 1960, pp 247-252.

AIP
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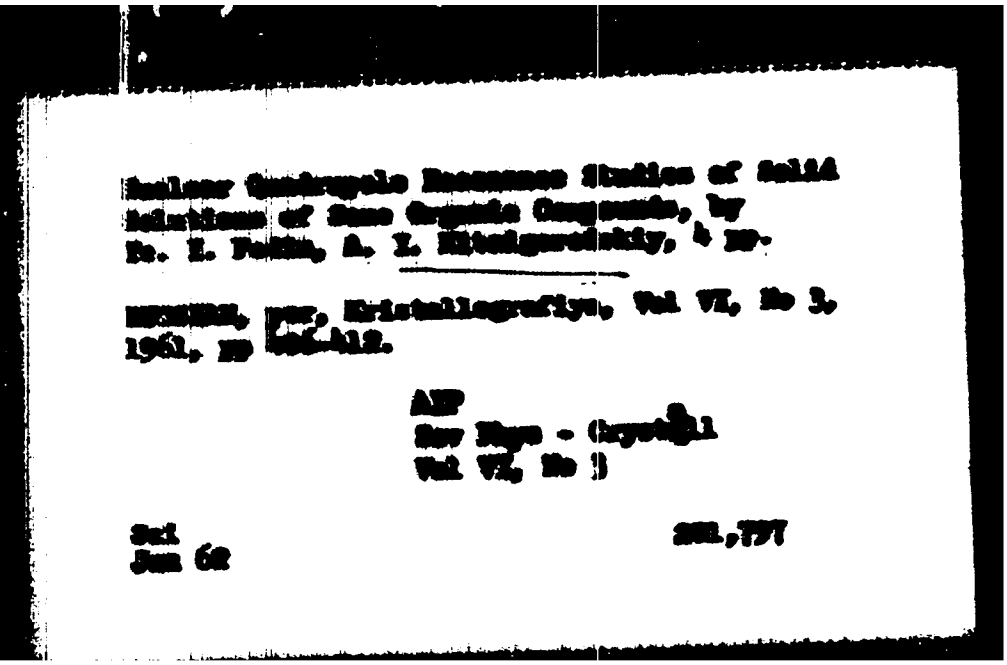
APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200860020-0



[illegible] Spectrographic Examination Studies of Solid Solutions of Some Organic Compounds, by
[illegible] L. Feldin, A. I. Kitaigorodskiy, 4 pp.

[illegible], Kristallografiya, Vol. VI, No 3, 1961, pp [illegible].

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APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200860020-0

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Kitaigorodskii, A. I.
ORGANIC CHEMICAL CRYSTALLOGRAPHY. Nov 61, approx. 550p.
Order from CB $17.50

Trans. of mono. [Organicheskaya Kristallokhimiya, Moscow, 1955, 560p.].

DESCRIPTORS: *Organic compounds, *Crystal structure, Crystals.

(Physics--Solid State, TT, v. 7, no. 6)

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II. Consultants Bureau Enterprises, Inc., New York

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Investigation of the LiF-$LiBO_2$ System by Thermoanalysis, by I. I. Kitaigorodskiy, T. A. Popova, et al, 4 pp.

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Crystal Structures of Tropylium Perchlorate and Iodide, by A. I. Kitaigorodskiy, Yu. T. Struchkov, et al, 5 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk, No 1, 1960, pp 39-44.

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APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200860020-0

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The Structure of Cellulose. Parts I, II, by
A. I. Kitaigorodskiy, D. Ya. Tsvankin.

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DSIR LLU RTS 1595

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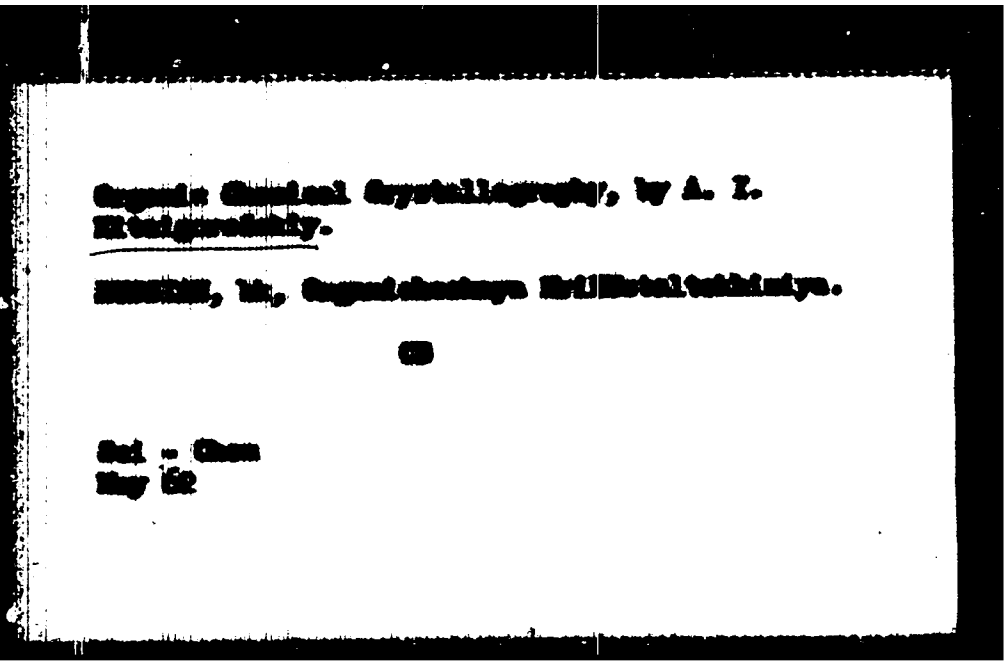

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Conditions of Solubility of Organic Substances in the Solid State, by A. I. Kitaigorodskiy, 9 pp.

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Kitaygorodskiy, Aleksandr Isayakovich.
STRUCTURE OF POLYMERS. Sep 60 [36]p.
MCL-388/V.
Order from LC or SLA ml$3.00, ph$6.30 61-19403

Trans. of mono. (brochure) [Struktura Polimerov, Moscow, 1958, 28p.].

An elementary review.

(Chemistry--Organic, TT, v. 5, no. 11)

61-19403

1. Polymers--Molecular structure
I. Kitaygorodskiy, A. I.
II. MCL-388/V
III. Technical Information Center, Wright-Patterson AFB, Ohio

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(SF-1879)

Radio Signals From Molecules, by A. Y. Kitaygorodskiy, E. Y. Fedin, 13 pp.

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JPRS 13326

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Sci-Electron

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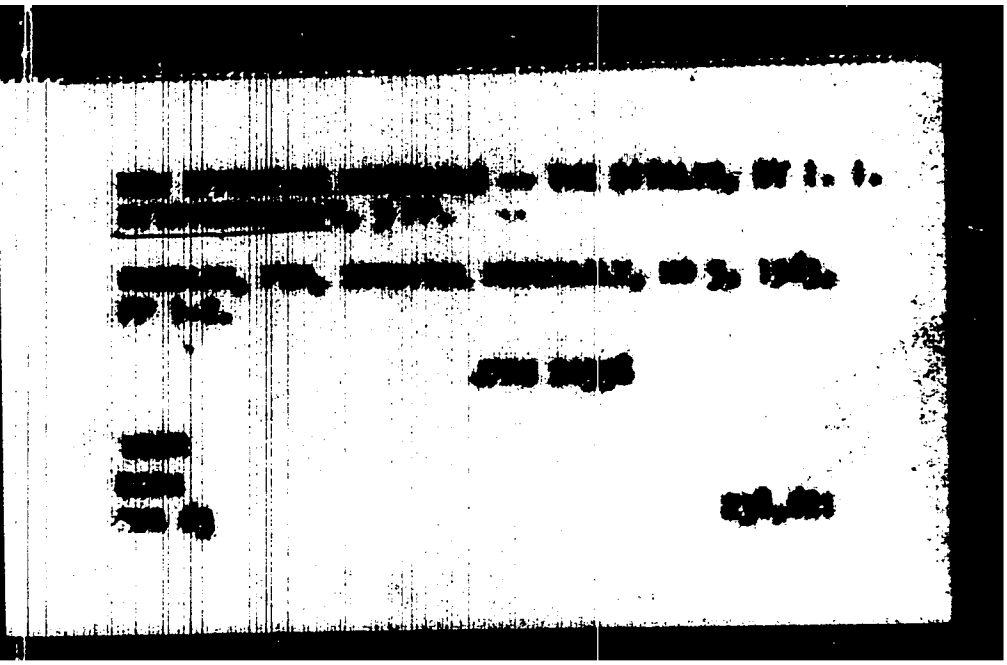

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Accelerating the Pulverization of Alumina in the Glass and Ceramics Industry, by I. I. Kitaigorodskiy, Ts. N. Gurovich, 4 pp.

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APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200860020-0

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The Choice of an Efficient Design for a Foam Glass Manufacturing Plant, by I. I. Kitaigorodskiy, L. M. Butt, 7 pp.

RUSSIAN, per, Steklo i Keramika, Vol XVI, 1959, No 12, pp 15-20.

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APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200860020-0

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The Electric Properties of Glass in the System V_2O_5-V_2O_4-P_2O_5, by I. I. Kitaigorodskiy, V. K. Frolov, 3pp.

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Kitaigorodskii, I. I.
GLASS IN CERAMICS (Steklo v Keramike). [1962]
[43]p. (foreign text included) 29 refs.
Order from OTS or SLA $4.60 62-14505

Trans. of Khim[icheskaya] Nauka i Prom[yshlennost']
(USSR) 1958, v. 3 [no. 1] p. 35-45.

DESCRIPTORS: *Glass, Making, *Ceramic materials, Sintering, Mechanical properties, Manufacturing methods.

(Materials--Ceramics, TT, v. 8, no. 1)

62-14505

I. Kitaigorodskii, I. I.

265390

Office of Technical Services

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200860020-0

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200860020-0

Kitaigorodskii, I. I. and Artamonova, N. V.
THERMOSTABLE INSULATING MATERIAL "PENOSIL". [1961] [6]p. 1 ref. [DSIR LLU] M.3040.
Order from OTS or SLA $1.10 61-27568

Trans. of Steklo i Keramika (USSR) 1959 [v. 16] no. 11, p. 4-7.

DESCRIPTORS: *Insulating materials, Thermal insulation, Stability, Mechanical properties, *Expanded glass.

Under the name Penosil are combined a whole series of foam materials, with high temperature stability and thermal stability. The general chemical composition is 90 to 94% of SiO_2 and 6 to 10% of flux and gas producer. The results of testing Penosil for temperature stability and mechanical strength indicate that it is possible to use it as a heat insulating material for withstanding the
(Materials--Ceramics, TT, v. 6, no. 9) (over)

61-27568

I. Title: Penosil
I. Kitaigorodskii, I. I.
II. Artamonova, N. V.
III. DSIR LLU M.3040

Office of Technical Services

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200860020-0

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200860020-0

Investigation of Compositions of Microlite and the Metallic Compound $NiAl_3$, by V. P. Elyutin, I. I. Kitaigorodskiy, E. I. Moiseikhin, V. B. Rabkin, 4 pp.

RUSSIAN, per, Zhur Prik Khim, Vol XXXIII, No 3, 1960, pp 599-602.

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APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200860020-0

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The Determination of Vanadium Oxides in Glass by Oxidimetric Methods, by I. I. Kitaigorodskiy, V. K. Prolov, 30 pp

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Kitaigorodskii, I. I.
ARTIFICIAL SUPERSTRONG STONE: MICROLITE. [1961] 11p. (3 figs. omitted).
Order from OTS or SLA $1.60 62-10565

Trans. of article from an unidentified Russian source, n.d.

DESCRIPTORS: Ceramic materials, *Abrasives, *Cutting tools, Corrundum, Rock.

(Materials--Ceramics, TT, v. 8, no. 8)

62-10565

1. Title: Microlite
I. Kitaigorodskii, I. I.

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APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200860020-0

APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200860020-0

New Glass Crystal Materials Made From Slag,
by I. I. Kitaygorodskiy, K. T. Bondarev,
7 pp.

RUSSIAN, per, Priroda, No 9, 1961, pp 111-114.

JPRS 16149

Sci - M/M

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APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200860020-0

Investigation of Glasses in the System SiO_2--Al_2O_3--B_2O_3--BaO, by I. I. Kitaigorodskiy, T. N. Keshishyan, E. A. Painberg, 5 pp.

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Kitaigorodskii, I. I.
ARTIFICIAL SUPERSTRONG STONE: MICROLITE. [1961] 11p. (3 figs. omitted).
Order from OTS or SLA $1.60 62-10565

Trans. of article from an unidentified Russian source, n.d.

DESCRIPTORS: Ceramic materials, *Abrasives, *Cutting tools, Corrundum, Rock.

(Materials--Ceramics, TT, v. 8, no. 8)

62-10565

1. Title: Microlite
I. Kitaigorodskii, I. I.

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APPROVED FOR RELEASE: Tuesday, July 09, 2002 CIA-RDP91-00772R000200860020-0

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The Preparation of Heat-Resisting Glass by Enriching Glass With Silica, by I. I. Kitaygorodskiy, V. A. Klinov, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXVII, No 2, pp 392-395.

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Synthesis and Investigation of Certain Vanadium Glass
by I. I. Kitaigorodskiy, V. G. Karpechenko, 3 pp.

RUSSIAN, per, Steklo i Keramika, Vol XV, No 6,
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Technical Stone from Glass-Corundum, by I. I. [redacted]igorodskiy, S. I. Sil'vestrovich, L. N. [redacted]erikova, 5 pp.

Russian, per, Steklo i Keramika, Vol XV, No 11, 1958, pp ~~12-16~~ 17-20.

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KITAIGORODSKII I. I.

Means of improving the quality of metal-cutting mineral ceramics

p. 552-558 of "Peredovaya tekhnologiya mashinostroeniya" Inst. Mashinovedeniya, Akad. Nauk SSSR, 1955

RJ-2737. $ 11.40 - English

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Means of Improving the Quality of Metal-Cutting Mineral Ceramics, by I. L. Vitaygorodskiy, 7 pp.

RUSSIAN, Mono, Peredovaya Tekhnol Mashinostroyeniya, Sbornik, Pub, by Komissiya po Tekhnol. Mashinostroyeniya, Inst Mashinostroyeniya, Akad Nauk SSSR, 1955, pp 552-558.

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Kitaigorodskii, I. I. and Sentyurin, G. G.
[PROGRESS OF THE GLASS INDUSTRY]. [1961] [18]p.
5 refs.
Order from OTS or SLA $1.60 61-14467

Trans. of mono. Khimiya i Tekhnologiya Silikatov: Sbornik Trudov, n.p., 1957, p. 398-407.

DESCRIPTORS: *Glass, Surfaces, Chemical reactions, Structural properties, Chemical analysis, Reagents, Heat treatment, Solutions, Salts, Temperature, Annealing.

Contents:
Increasing the chemical resistance of surfaces of glass
Structural and chemical resistance of glass
The influence of various factors on the variation in the chemical resistance of glass
Determination of chemical resistance of glass
(Materials--Ceramics, TT, v. 10, no. 9) (over)

61-14467

I. Kitaigorodskii, I. I.
II. Sentyurin, G. G.

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I. I. Kitaygorodskiy

The interaction of sodium chloride and kaolin at high temperatures, by I. I. Kitaygorodskiy, V. I. Bokunyaveva [illegible], per, Zhurnal Prikladnoy Khimii, Vol 8, No 2, 1935, pp 230-237.
[illegible] TM # 14,251

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Glycerol Terephthalate Polyester Film Formers,
by A. I. Kogan and M. M. Kitaigorodsky, 4 pp.

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No 4, 1956, [redacted] pp 621-

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Kitaygorodskiy, A. I. and Tsvankin, D Ya.
THE STRUCTURE OF CELLULOSE, 1-II (K Voprosu o Strukture Tsellyulozy, 1-II). Feb 61 [24]p. 42 refs. RTS 1595.
Order from LC or SLA mi$2.70, ph$4.80 61-19243

Trans. of Vysokomolekularnyye Soyedineniya (USSR) 1959, v. 1, no. 2, p. 269-284

One-dimensional diffraction on the X-ray diagrams of cellulose fibres was studied. The cause of one-dimensional diffraction is a statistical dispersion of the centres of chains in the equatorial plane (Δ_{c}^{2}) and a deviation of chains from their proper course along the axis (Δ_{c}^{2}). There are no irregular regions as regards the arrangement of the chains and their links in the structure of cellulose. The same groups of chains are responsible for both one-dimensional diffraction and the three-dimensional reflexions.

(Chemistry--Organic, TT, v. 5, no. 12)

61-19243

1. Cellulose--Molecular structure
2. Cellulose--X-ray analysis
I. Kitaygorodskiy, A. I.
II. Tsvankin, D. Ya.
III. RTS-1595
IV. Department of Scientific and Industrial Research (Gt. Brit.)

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The Theory of Crystal Structure Analysis, by A. I. Kitaygorodskiy, 275 pp.

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Thermocline in the Ocean, by S. A. Kitaygorodskiy, 49
D. M. Filyushkin, 36 pp.
RUSSIAN, per, Trudy Inst Okean., Vol LXVI, 1963,
pp 3-28.
Dept of Navy NOO Trans 262

NAN/NOO1

S. A. Kitaygorodskiy

Sci/Ear Sci
Oct 70

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Contribution to an Analysis of the Spectra of Wind-Caused Wave Action . I , by S. A. Kitaygorodskiy, S. S. Strekalov, 5 pp.

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On the Computation of the Thickness of the Wind-Mixing Layer in the Ocean, by S.A. Kitaigorodsky 4 pp.

RUSSIAN, per, Iz Ak Nauk, Ser Geofiz, No, 1960 pp 426-431

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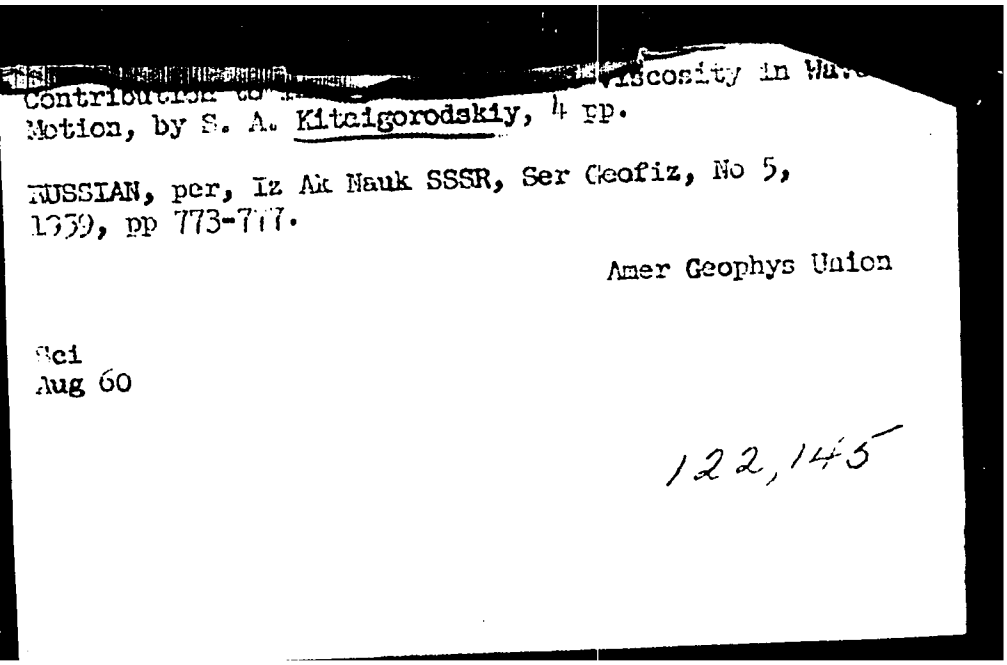

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Contribution to ...
Motion, by S. A. Kitaigorodskiy, 4 pp.

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Amer Geophys Union

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Influence of Ultrasound on the Nature of Crystallization in a Welding Pool, by A. A. Erokhin, Yu. I. Kitaygorodskiy, M. G. Engan, L.L. Silin.
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An Ultrasonic Generator for Laboratory Studies, by
Yu. I. Kitaygorodskiy, V. S. Degtin, A. V. Vitkovskiy,

RUSSIAN, per, Zavod Lab, Vol XV, April 1959,
pp 467-470.

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